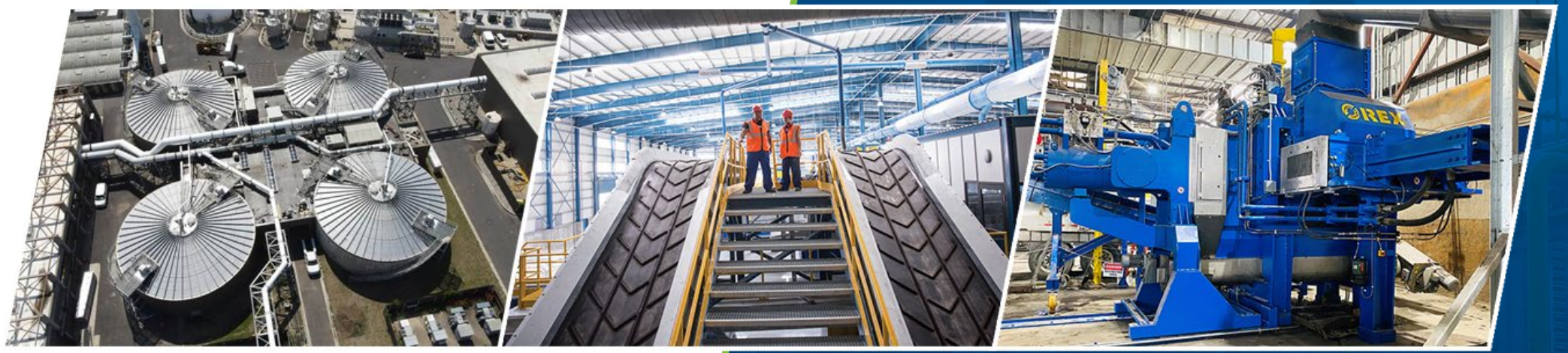
Recovering organics from waste to produce biomethane using anaerobic digestion



Shayne Petkiewicz

Business Development Manager

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Anaergia

Breaking Barriers to Sustainability

Enabling a Zero Waste Future

Wastewater Biosolids

Source Separated Organics

Municipal Solid Waste

Food Processing Waste

Agricultural Waste

Integrated Solutions

Renewable Power

Renewable Gas

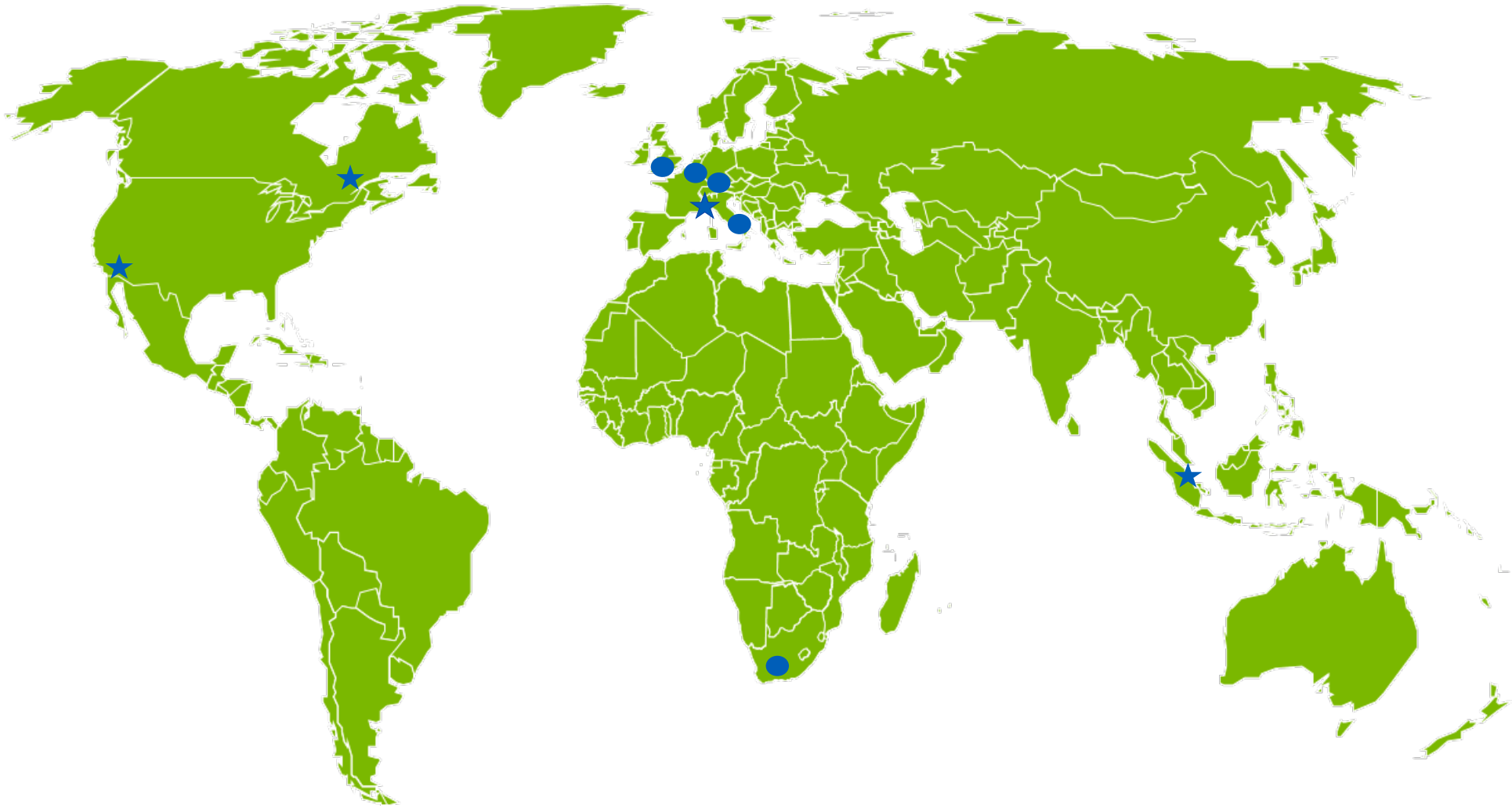
Recyclables

Fertilizer

Clean Water

Our mission is to convert waste into useful resources, protect the environment, and sustain life for generations to come.

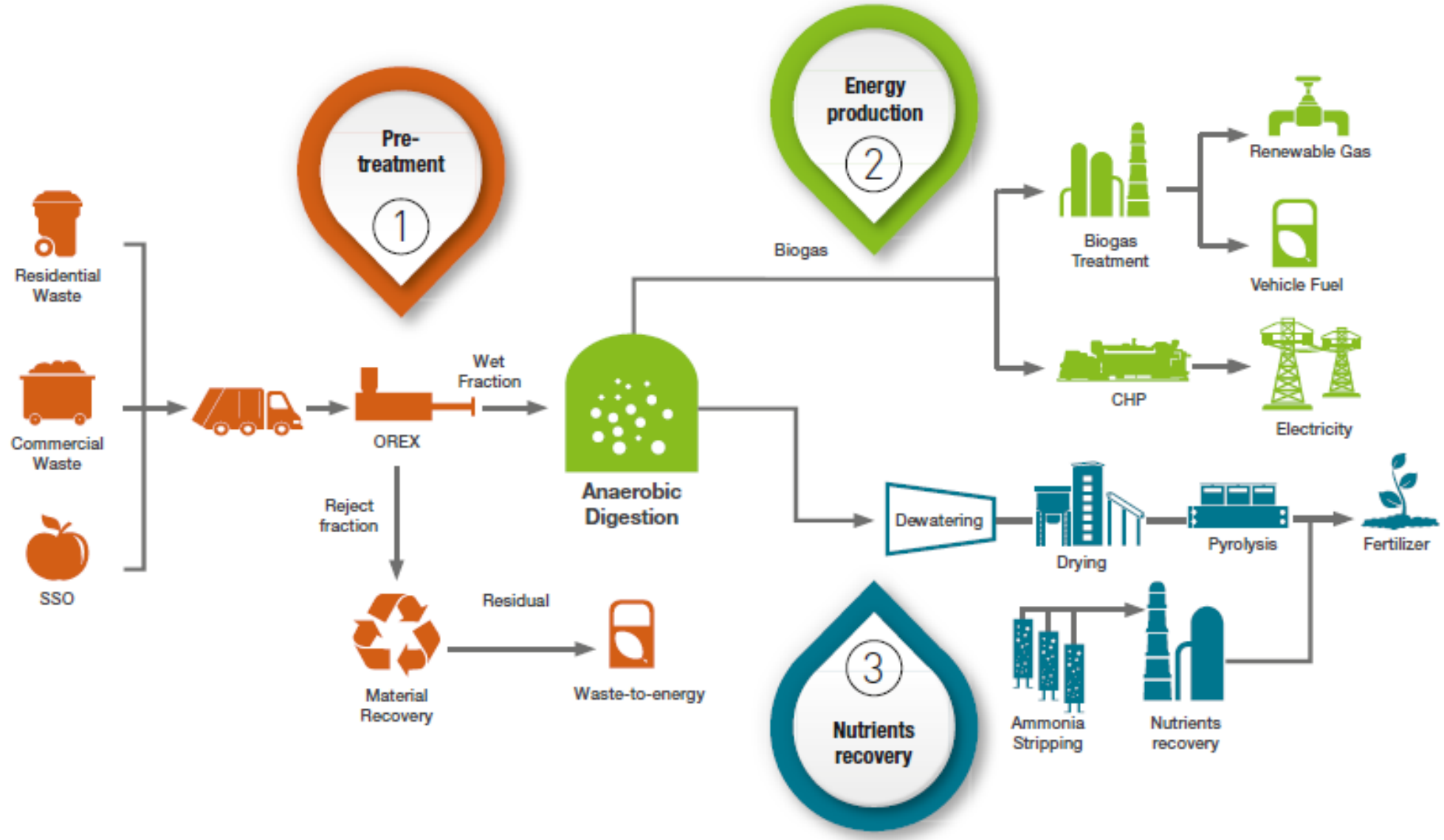
Anaergia's Global Footprint



1,700+ Projects, 10 Offices, 3 Factories, 4 Continents

Anaergia

Anaergia's Capability Across Solid Waste and Wastewater



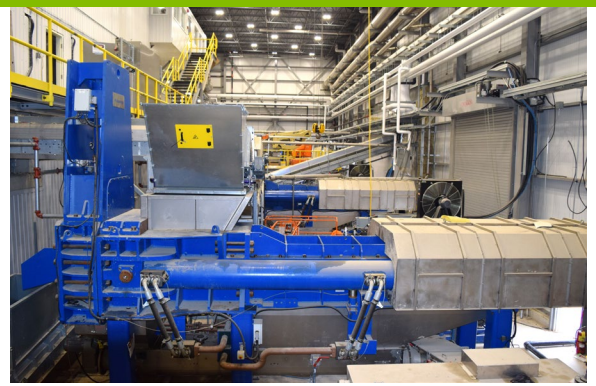
Select North American Facilities

Flexible delivery combinations of Design Build Own Operate Finance (DBOOF)

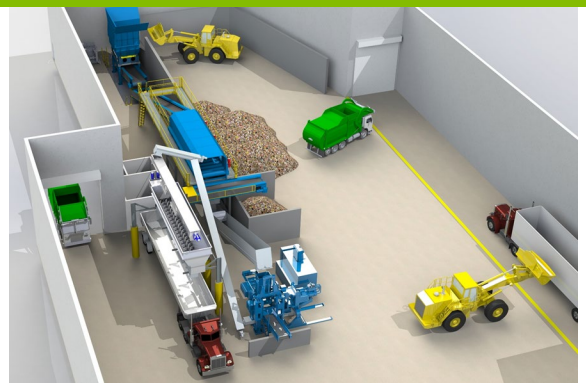
Solid Waste

SOUTH BAYSIDE WASTE MANAGEMENT AUTHORITY
SAN CARLOS, CA
DB + SERVICE

WASTE MANAGEMENT
SUN VALLEY, CA
DB + SERVICE



CITY OF TORONTO
TORONTO, CANADA
PROCESS + SUPPLY + O&M



UNIVERSAL WASTE SYSTEMS
LOS ANGELES, CA
DB + SERVICE

Wastewater

ANAERGIA
RIALTO, CA
DBOOF

EAST VALLEY WATER DISTRICT
HIGHLAND, CA
SUPPLY

VICTOR VALLEY WATER RECLAMATION AUTHORITY
VICTORVILLE, CA
DBOOF

CAMDEN COUNTY MUNICIPAL UTILITIES AUTHORITY
CAMDEN, NJ
SUPPLY + O&M

HALE AVENUE RESOURCE RECOVERY FACILITY
ESCONDIDO, CA
DBOOF

California SB1383 requires 75% organics diversion from landfill by 2025

Renewable Energy

Fertilizer

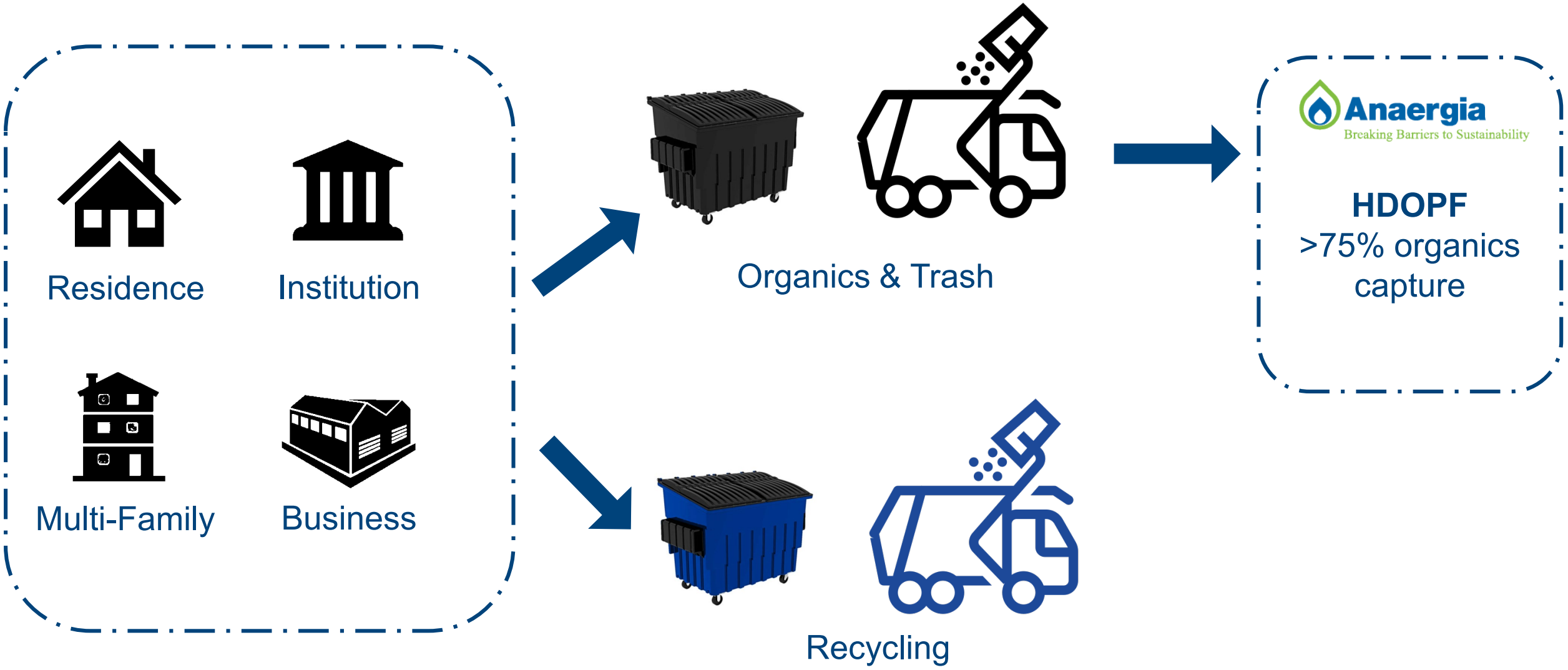
Anaergia

Anaergia's OREX is compatible with any collection scheme (1-, 2-, 3-cart)

OREX 500 – Toronto, Canada

Anaergia

OREX is compatible with any collection scheme (1-, 2-, 3-cart)



Anaergia

OREX is compatible with any collection scheme (1-, 2-, 3-cart)

Residence

Institution

Multi-Family

Business

Trash
(to OREX)

Recycling

Organic Waste
(to OREX)

Anaergia

OREX is compatible with various organic waste streams

Anaergia

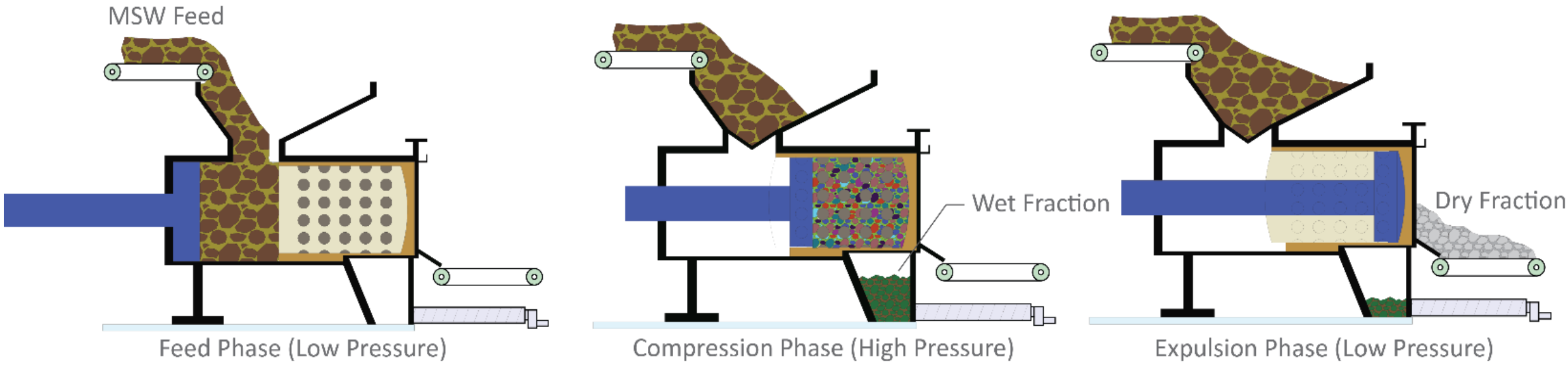
OREX is compatible with various organic waste streams

SSO

MSW

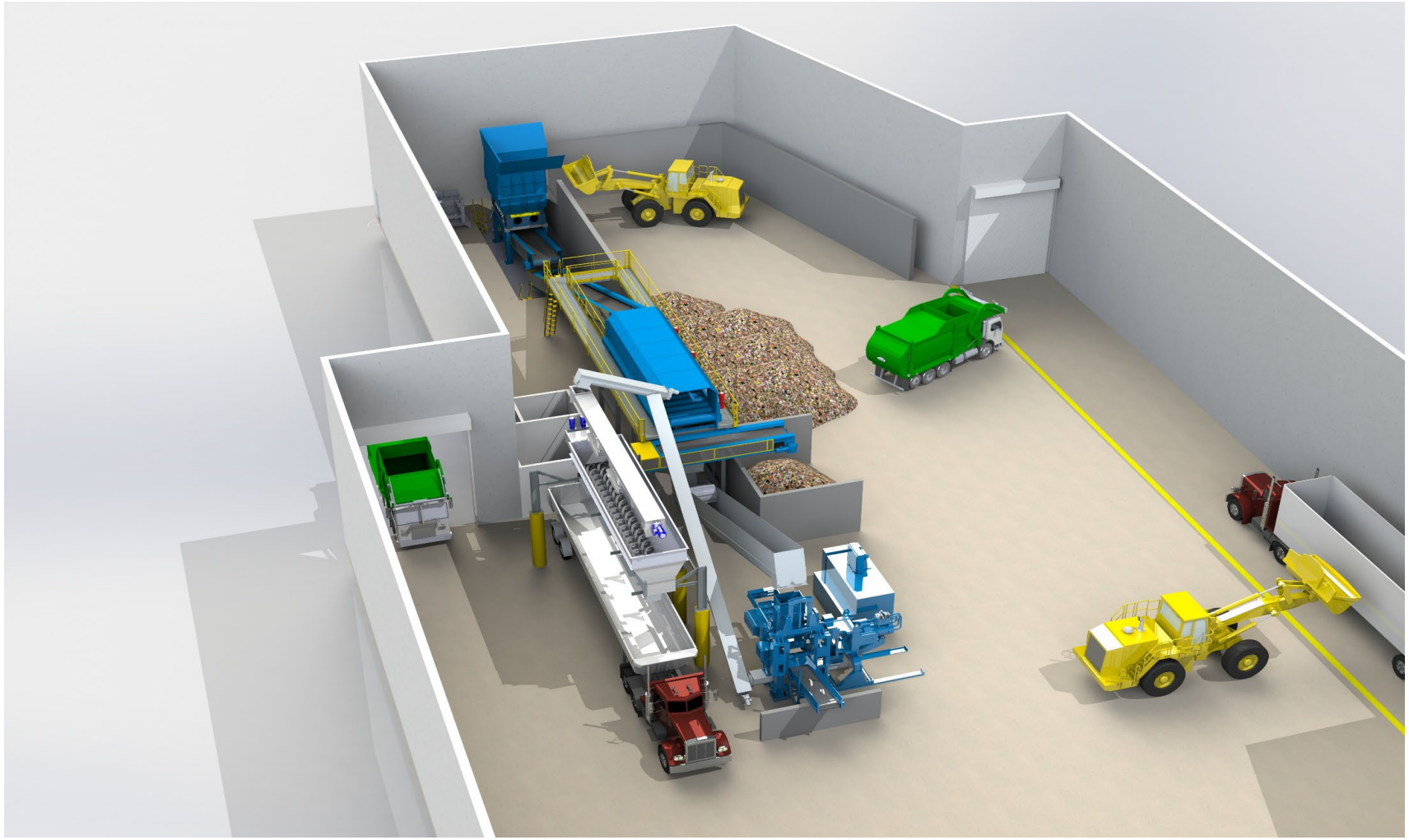
Anaergia

OREX recovers organics from MSW via organic extrusion technology



Anaergia

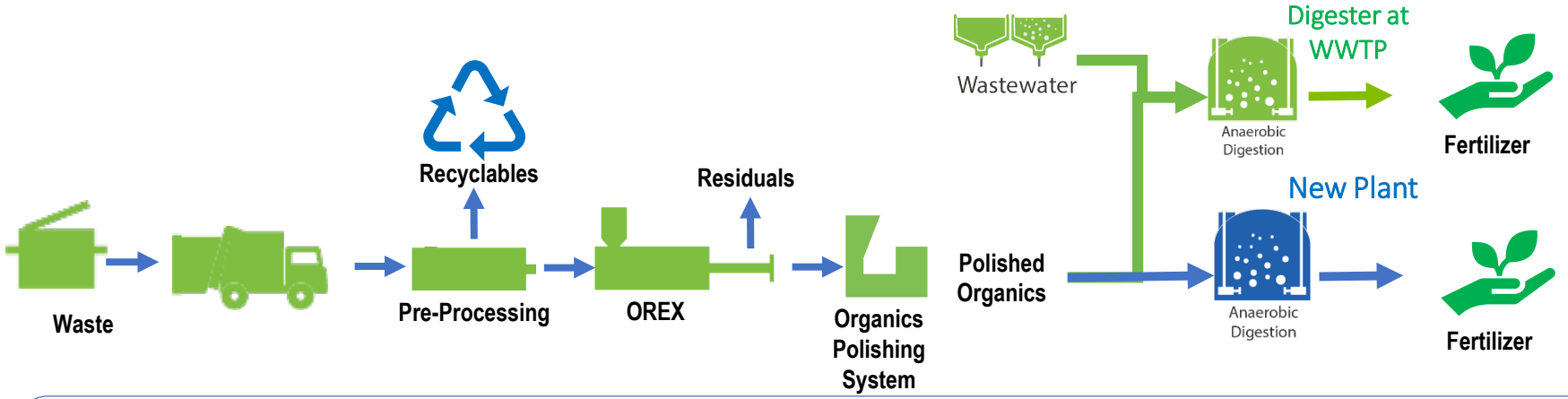
Anaergia can design, build, and finance turn-key organics recovery lines



OREX line rendering

Anaergia

OREX + Organics Polishing System (OPS) Generates Digestible Organic Slurry

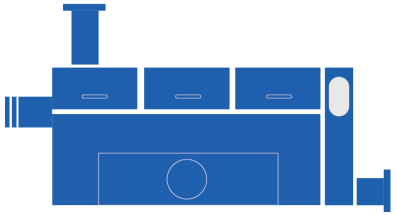


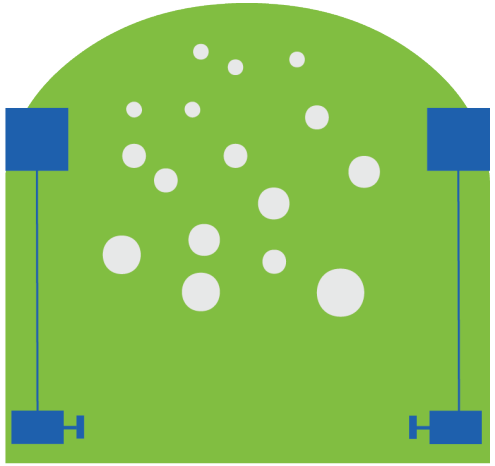
Anaergia

Anaergia's Omnivore Triples Capacity in Existing Digesters at Wastewater Plants with a Simple Retrofit

Omnivore® is similar to conventional digestion with two changes:

1. The addition of thickening
2. An advanced mixing system



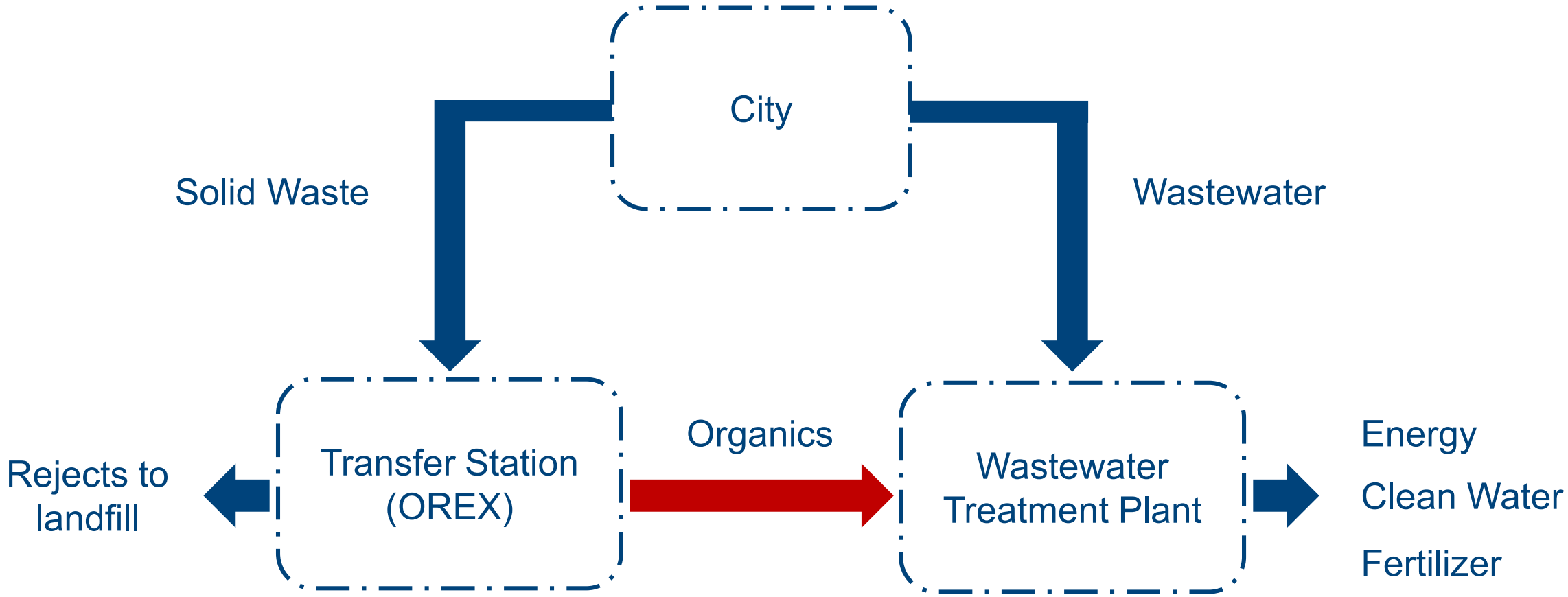


A specialized thickener feeds 12-14% solids to the digester

Submerged mixers handle high viscosity digestate

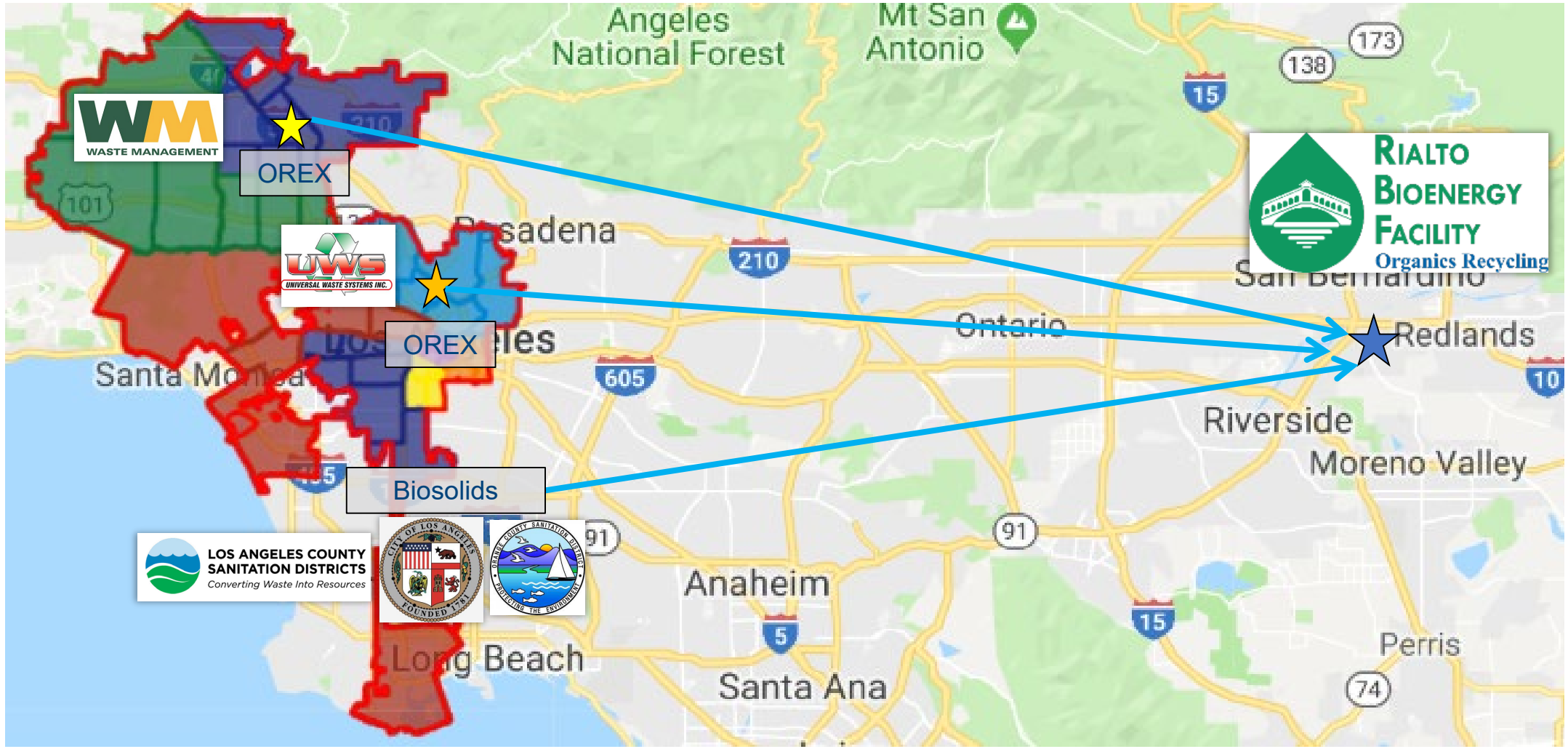
Anaergia

Anaergia provides cost effective outlet for organics to local AD infrastructure



Anaergia

Anaergia's Rialto Bioenergy Facility (RBF) Converts Organics from MSW and Biosolids into Carbon Free Fuel and Fertilizer



Anaergia

Sun Valley CA, Commercial SSO & MSW OREX Line

OREX generates organic fraction that can be fed to Anaerobic Digesters

Organic fraction being delivered to Rialto Bioenergy Facility

Anaergia

Rialto Bioenergy Facility is capable of processing 1,000 TPD

Rialto Bioenergy Facility

Anaergia

VVWRA Background

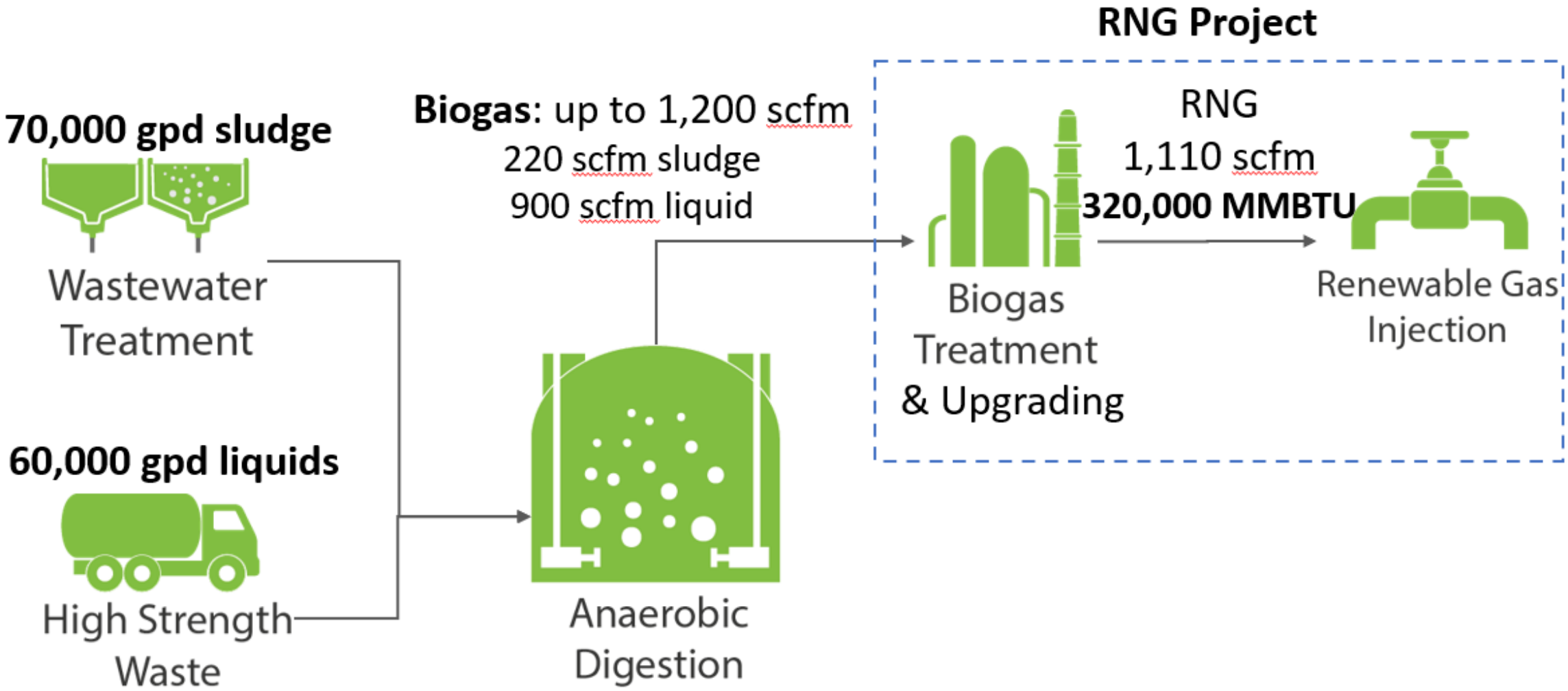
Founded in 1978

Serves 279 square mile area

Treats 10.7 million gallons of wastewater per day

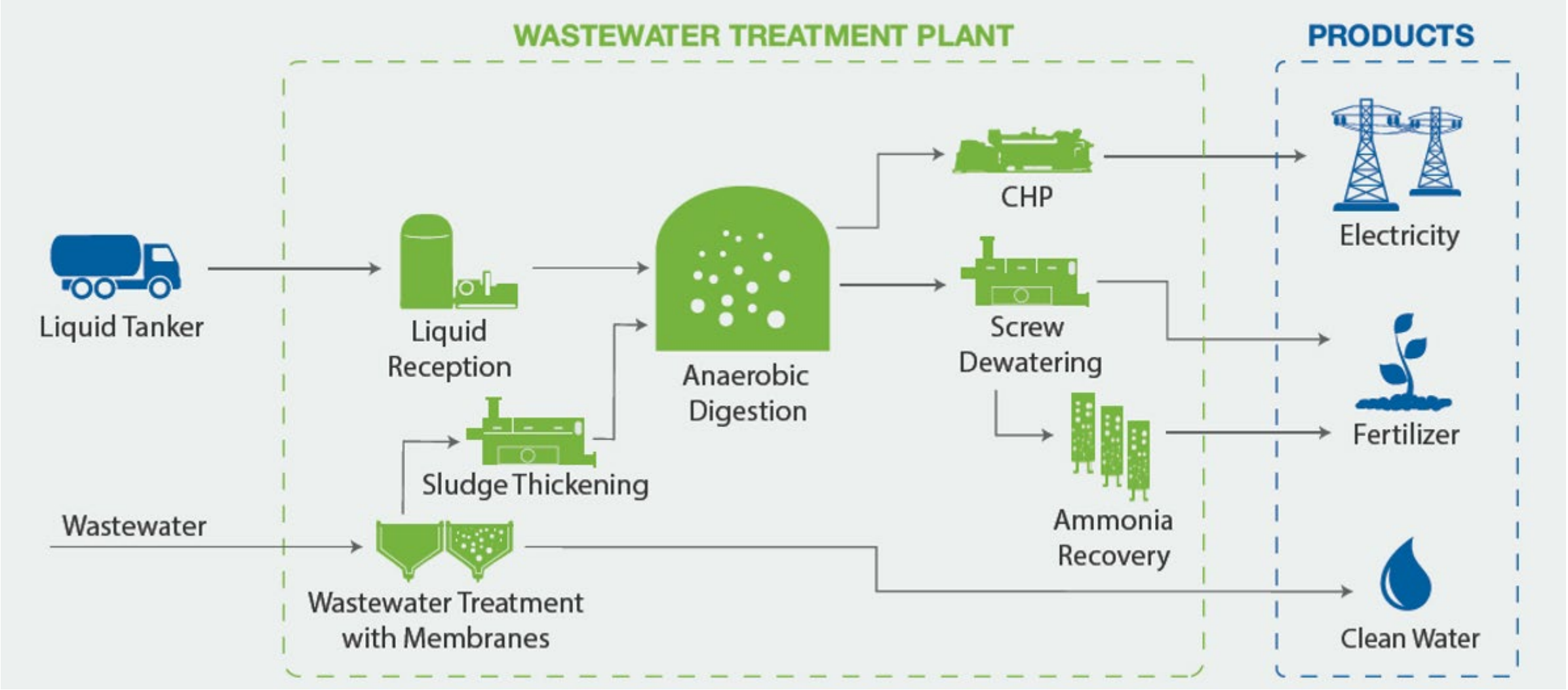
Anaergia

Victor Valley Wastewater Reclamation Authority, Victorville, CA: RNG P3 Transforms Energy-Neutral Facility to Net Energy Exporter



Anaergia

Sterling Natural Resource Center, Highland, CA: Pre-Thickening & High-Solids Digestion for Greenfield Resource Recovery

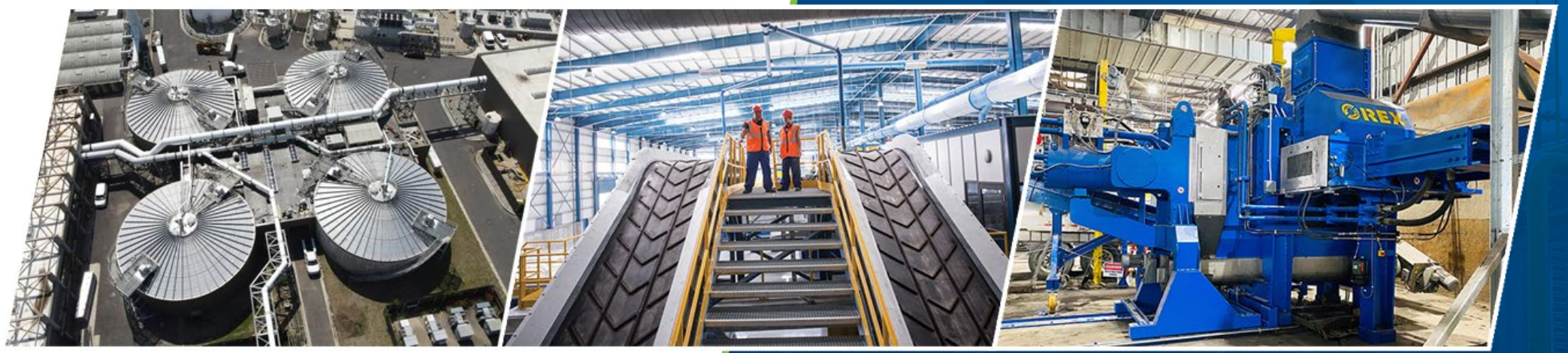


Anaergia

Sterling Natural Resource Center, Highland, CA:
Pre-Thickening & High-Solids Digestion for Greenfield Resource Recovery

Biogas from Co-Digestion Fuels CHP to Power the Plant and Export to Grid

Thank you



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